INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/28

A. CLASSIFICATION OF SUBJECT MA LER IPC(7) : C12Q 1/00, 1/34; G01N 33/53 US CL : 435/4, 7.71, 7.72, 18							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/4, 7.71, 7.72, 18							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.		
Y	US 6,258,605 B1 (CHACE) 10 July 2001 (10.07.2001), column 1, lines 36-55 and column 5, line 60-column 8, line 49				1-57		
Y	US 5,719,035 (ROSENTHAL et al) 17 February 1998 (17.02.1998), column 4, lines 12-63				1-57		
Y	IM, W.B. et al. Bacterial Degradation of Biotin. J. Biol. Chem. Volo. 248, No.22, p.7798-7805, especially p. 7798, 7799 and 7801.				1-57		
Y	US 6,455,321 B1 (CHACE) 24 September 2002 (24.09.2002), column 6, line 9-column 10, line 57			1-57			
A	US 5,629,210 (HERCULES et al) 13 May 1997 (13.05.1997), column 1, lines 15-42.			1-57			
A, P	, P US 6,670,194 B1 (AEBERSOLD et al) 30 December 2003 (30.12.2003), entire document.			ment.	1-57		
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Further	documents are listed in the continuation of Poy C		Con notant family and				
Further documents are listed in the continuation of Box C. * Special categories of cited documents:			See patent family ann		rational filing data or priority		
"A" document defining the general state of the art which is not considered to be		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
	lar relevance	4250					
"E" earlier app	plication or patent published on or after the international filing date	"X"	document of particular rele considered novel or cannot when the document is take	be considere	aimed invention cannot be ad to involve an inventive step		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"	Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination				
"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the art					
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family					
Date of the actual completion of the international search		Date of mailing of the international search report 13 JAN 2005					
14 December 2004 (14.12.2004)				2000			
Name and mailing address of the ISA/US			Authorized officer DEBORAH A. THOMAS				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Lora E B	Lora E Barnhart PARALEGAL SPECIALIST				
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